



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Engineering Services for Industrial Substation Transformer Bank Installation (\$86,255)

MEETING DATE: August 20, 1997

SUBMITTED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council adopt the attached resolution authorizing the City Manager to enter into an engineering services contract with Power Engineers, Inc. for the design, construction contract preparation, bid evaluation and contractor selection for the installation of the second 60 - 12 kV power transformer with associated circuit breakers, foundations, bus structures and control systems at Industrial Substation.

BACKGROUND: The Industrial Substation located on 1215 East Thurman Street provides electric service to the east and south east of town. The majority of the load is Commercial and Industrial. This substation was designed with a capacity for ultimately three power transformers with the first one installed when the substation was placed in service in 1993. As a result of the significant industrial growth experienced within the service area of this station this last year and the fact that additional industrial growth is being planned and designed at this time, the second transformer is now required to provide electric service to the area in the event of a failure of transformer #1 or some of the components associated with this transformer bank. Load transfers to other substations will not be adequate to eliminate the deficiency in the event of a failure. The transformer with all associated equipment would be required to serve the load in the area under normal conditions in two to three years based on current load growth.

The workload in the Engineering Division due to a number of critical and necessary system expansion and capacity projects as well as ongoing projects relating to developments prohibits the Industrial Substation project from being undertaken with in-house staff. Power Engineers, Inc. have been selected due to their expertise in substation work, the fact that they were the engineers on Industrial Substation when originally designed and constructed and therefore has significant knowledge and data available relating to this substation and the City's experience with this firm has been exceptional.

Power Engineers, Inc. in this agreement will design the project, will prepare the construction contract and bid documents, will evaluate the construction bids and will assist in the selection process of the construction contractor. It is anticipated that the construction contract will be brought to the City Council for authorization to advertise and bid in late 1997 with construction completed approximately mid 1998. Concurrent with the award of the construction contract, the Department intends to recommend entering into an agreement for construction inspection services and commissioning (testing) of the substation.

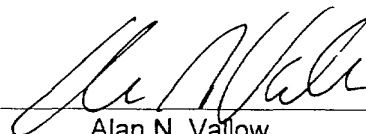
proved


H. Dixon Flynn
City Manager

The total project cost (estimate) is shown below under "Funding".

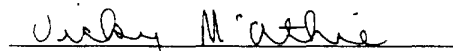
FUNDING: Included in the Department's 1997-98 fiscal year financial plan.

Costs:	Design, construction contract, bid evaluation and contractor selection (this agreement).	\$ 86,255
	Power transformer (estimated).	\$ 450,000
	Construction contract (estimated).	\$ 450,000
	Inspection services and commissioning (estimated).	\$ 53,700
	<hr/> Total project cost (estimated)	<hr/> \$1,039,955



Alan N. Vallow
Electric Utility Director

Funding Approval: *pg E-19*
High Voltage per HAN


Vicky McAthie
Finance Director

Prepared by Hans Hansen, Manager, Engineering and Operations

ANV/HH/lst

c: City Attorney
Purchasing Officer

RESOLUTION NO. 97-127

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING
THE CITY MANAGER TO ENTER INTO ENGINEERING SERVICE
CONTRACT WITH POWER ENGINEERS, INC.

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BE IT RESOLVED, that the Lodi City Council hereby authorizes the City Manager to enter into an engineering services contract with Power Engineers, Inc. for the design, construction contract preparation, bid evaluation and contractor selection for the installation of a second 60-12 kV power transformer with associated circuit breakers, foundations, bus structures and control systems at the Industrial Substation located at 1215 East Thurman Street.

Dated: August 20, 1997

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I hereby certify that Resolution No. 97-127 was passed and adopted by the Lodi City Council in a regular meeting held August 20, 1997 by the following vote:

AYES: Council Members -

NOES: Council Members -

ABSENT: Council Members -

ABSTAIN: Council Members -

ALICE M. REIMCHE
City Clerk